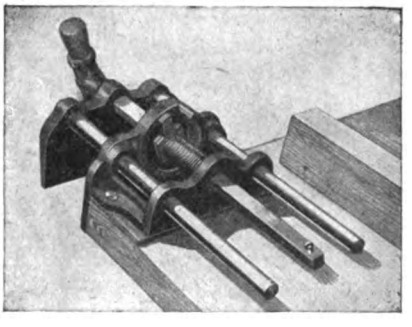
"Abernathy" Rapid Acting Vise

The Abernathy Vise & Tool Co., 601 Fifty-first street, Chicago, Ill., are manufacturers of the "Abernathy" Rapid Acting Vise, illus-

"ABERNATHY" RAPID ACTING VISE.

trated. It is designed particularly for all classes of wood workers and for manual training and technical school equipments. Smooth rectangular bars of extra hardness are used in the feed mechanism. In place of the usual nut or pawl is a single piece, drop forged, case hardened steel clutch, which is immovably locked upon the smooth feed bar by the first one-eighth turn of the handle. A further turning of the handle causes the clutch to engage with a large spiral cam, which action results in the feed of the front movable jaw. Advantages following this construction are: The



BOTTOM VIEW "ABERNATHY" VISE.

ability, when the handle stands in a vertical position, to instantly pull or push the front movable jaw to any desired adjustment; freedom from a locking of the feed mechanism; a feed of ¾-inch to each turn of the handle, due to the large size of cam, which is 4½ inches in diameter; the ability to feed the movable jaw the entire length of its adjustment by a continuous turning of the handle. The movable jaw can be fed by a ratchet movement of the handle when desired, and can be pushed to any desired adjustment regardless of the position of the handle. Any article can be clamped in the vise by a very short and regular turn of the handle, regardless of the thickness of the article; in service about one-quarter turn is all that is necessary for any ordinary compression, and at this adjustment the handle is in a horizontal position where an excessive force may be applied without inconvenience or strain to the body. The entire manipulation of this vise is accomplished by the handle alone, and all working parts are located under the bench, where they are protected from knocks and dirt. These vises are made in several sizes, neat in appearance, are well machined and are reasonable in price for a high-class construction.